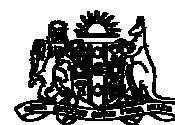


NSW WATER BUG SURVEY

SCIENCE & TECHNOLOGY

STAGE 3



**Infrastructure, Planning
and Natural Resources**

AIM: To promote student awareness of water quality.

OBJECTIVES:

Knowledge and Understanding:

- The process of investigation that people use to develop understanding of natural environments
- The technologies that people select and use for a variety of purposes

Skills:

- Investigate natural environments
- Assess, select and use a range of technologies

Values and Attitudes:

- Engage in learning experiences to enable them to develop positive and informed values and attitudes towards themselves, others, technology and the environment

CURRICULUM LINKS

SCIENCE & TECHNOLOGY OUTCOMES :

- LTS3.3 Identifies, describes and evaluate the interaction between living things and their effects on the environment.
- INV3.7 Conducts their own investigations and makes judgements based on the results of observing, planning, predicting, testing, collecting, recording and analysing data, and drawing conclusions.
- UTS3.9 Evaluates, selects and uses a range of equipment, computer-based technology, materials and other resources to meet the requirements and constraints of investigating and designing tasks.

CURRICULUM LINKS

ENVIRONMENTAL EDUCATION OBJECTIVES: Students will develop:

Knowledge and Understanding about:

- K1 the nature and function of ecosystems and how they are interrelated
- K2 the impact of people on the environment
- K4 the principles of ecologically sustainable development

Skills in:

- S1 applying technical expertise within an environmental context
- S2 identifying and assessing environmental problems
- S3 communicating environmental problems to others
- S5 adopting behaviours and practices that protect the environment

Values and Attitudes:

- V1 a respect for life on Earth
- V3 a commitment to act for the environment by supporting long-term solutions to problems

ASSESSMENT:

- Field work
- Group work participation
- Observations
- Discussion
- Work samples